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3.1.2. Celsius to Fahrenheit

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Write a Python program to convert temperature from Celsius to Fahrenheit.

Formula:
$$\text{Fahrenheit} = \left(\text{Celsius} \times \frac{9}{5}\right) + 32$$

Input Format:
  • Single line contains a float value representing the temperature in Celsius.

Output Format:
  • Print the temperature in Fahrenheit as a float value formatted to 2 decimal places.

```python
celsius = float(input())
fahrenheit = (celsius * 9 / 5 ) + 32
print(f"{fahrenheit:.2f}")
```

Sample Test Cases +

▶ Terminal   ⊞ Test cases

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Algorithm To Convert Celsius to Fahrenheit

Step 1: Start

Step 2: Declare variables C (Celsius) and F (Fahrenheit)

Step 3: Read the temperature in Celsius C

Step 4: Calculate Fahrenheit using the formula

$$F = (C * 9/5) + 32$$

Step 5: Display the temperature in Fahrenheit

Step 6: Stop

```
Start
  │
  ▼
Input temperature in Celsius
  │
  ▼
Calculate F = C * 9 / 5 + 32
  │
  ▼
Display temperature in Fahrenheit
  │
  ▼
Stop
```